



## MOTION PICTURE

The Society is a membership organization of engineers, technicians, executives, and others interested in the science and art of Motion Picture Engineering.

Members who serve on technical committees, work on improvement, along technical bulletins, and film and equipment reviews, and write guides to future progress. These publications are available to all and provide for exchange of information.

The Journal of the Society, begun in 1916, is an engineering bulletin of interest to all persons engaged in technical reference for motion pictures.

The Society has been and plans to continue to document the technical history of motion pictures, television, and of all forms of motion images.

Three grades of membership are offered:

**Student:** Enrollment in a regular college or university is a prerequisite. Student members receive the Journal and may attend the industry, its engineering programs.

**Associate:** Associates receive the Journal and may attend the conventions and in all local activities. They may not be elected to office or hold office themselves, they are not eligible to receive awards in motion pictures, television or the allied arts.

**Active:** Members of Active grade receive the Journal, may attend the industry, its engineering programs, and may be elected to office, serve on committees, and receive awards in motion pictures, television or the allied arts.

**Honorary and Fellow:** These two grades are honorary and are elected because of their outstanding contributions to the science or art of motion pictures.

**Sustaining:** Members in this grade are individuals or organizations who are active in some phase of the industry and contribute substantially to the welfare of the Society.

JOURNAL OF THE SOCIETY OF  
MOTION PICTURE  
AND TELEVISION  
ENGINEERS

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**INDEX-1946  
1950**

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## Introduction

THIS INDEX is the fourth issued since the Society was founded and began regular publication of a technical periodical in 1916. The earlier indexes covered periods ending with 1930, 1935 and 1945.

All entries have been chosen to provide a minimum of duplications under different but related subject headings. This keeps the Index to a minimum practical size for the easiest possible use. As a further aid to locating a specific item in the Subject section, all subject headings have been grouped in a single list given on pp. 5-7 so the reader can scan them quickly.

Items within each subject group are arranged with the most recent article cited first. Committee reports, besides appearing under the appropriate subject, are also listed under **SOCIETY ACTIVITIES — Committees, Reports.** Standards will also be found under the particular subject heading and in addition are listed in two special indexes: one arranged alphabetically by subject begins on p. 71; and the other arranged by serial number begins on p. 73.

From 1946 through 1950 there were several supplemental publications that should be noted: single volume indexes were provided as a separate Part II of the June and December JOURNALS in 1948, 1949 and 1950. During 1946 and 1947, they were printed as attached pages of each January and June issue.

Membership Directories were issued in 1946, dated June 30, with supplemental listings in the JOURNAL for June 1947; in 1948 as Part II of the September JOURNAL and in 1950 as Part II of the May JOURNAL.

A group of papers on high-speed photography was published as a separate paper-bound supplement (Part II) of the JOURNAL for March 1949, and then reprinted as the first volume of a series on the subject. The entire November 1949 JOURNAL was devoted to a second group of such papers and in reprint form became *High Speed Photography* Vol. 2. Volume 3 of the series was issued in May 1951 as a composite reprint of all high-speed photography papers published in the JOURNAL during 1950. This Index provides references only for the original appearance in the JOURNAL of each particular paper. Volume 3 contains a cumulative index to all three volumes, plus an extensive 17-page bibliography on the subject which appeared first in the January 1951 JOURNAL.

A list of all available Society publications will be sent to anyone who requests it of Society headquarters.



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- Reprinting Material from the Journal, 53: 309, Sept. 1949
- Committee Changes, 53: 308, Sept. 1949
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- Descriptions: 54: 113, Jan. 1950; 52: 474, Apr. 1949; 50: 408, Apr. 1948; 48: 384, Apr. 1947; 46: 333, Apr. 1946.

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- (1950) 55: 649, Dec. 1950  
Badgley, G. J. Kolb, F. J., Jr.  
Beers, G. L. Livadary, J. P.  
Bragg, H. E. Lodge, W. B.  
Gage, F. W. Nemec, Boyce  
Garman, R. L. Rosher, Charles  
Jones, Watson Waddell, J. H.  
Yorke, Emerson
- (1949) 53: 421, Oct. 1949  
Aiken, J. E. Fordyce, C. R.  
Best, G. M. Grignon, L. D.  
Bloomberg, D. J. Hankins, M. A.  
Duer, H. H. Misener, G. C.  
DuMont, A. B. Seeley, E. S.  
Eich, F. L. Volkmann, J. E.  
Farnsworth, P. T. Waller, Fred
- (1948) 52: 108, Jan. 1949  
Albin, F. T. Jones, M. T.  
Arnold, Paul Lyman, D. F.  
Colburn, G. W. Mertz, Pierre  
Crane, G. R. Neu, O. F.  
Dimmick, G. L. Scoville, R. R.  
Edgerton, H. E. Simmons, N. L.  
Goldsmith, T. T. Slyfield, C. O.  
Harsh, H. C. White, H. E.

- (1947) 50: 85-86, Jan. 1948  
Altmann, F. E. Kingslake, R.  
Blaney, A. C. Linderman, R. G.  
Brenkert, Karl, Sr. Talbot, R. H.  
Brigandt, P. E. Townsley, M. G.  
Dash, C. C. Tuttle, Fordyce  
Hatch, A. J. Van Niman, R. T.  
Zavesky, R. J.

- (1946) 47: 521, Dec. 1946  
Austrian, R. B. Moulton, T. T.  
Bertram, E. A. Sachtleben, L. T.  
Boyle, J. W. Shapiro, Abraham  
Offenhauser, W. H., Jr.

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- Case, Theodore W., 48: 437, May 1947;  
47: 521, Dec. 1946.  
Craft, Edward B., 48: 440, May 1947;  
47: 521, Dec. 1946.  
Warner, Samuel L., 48: 443, May 1947;  
47: 521, Dec. 1946.

### Honorary Members

- Announcements: 55: 660, Dec. 1950;  
54: 514, Apr. 1950; 390, Mar. 1950.  
(1950) 55: 650, Dec. 1950  
Kellogg, E. W. Zworykin, V. K.

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### *Journal Award*

Regulations and Former Recipients: 54: 641, May 1950; 52: 475, Apr. 1949; 50: 408, Apr. 1948; 48: 384, Apr. 1947; 46: 333, Apr. 1946.  
(1950) 55: 650, Dec. 1950

Kolb, F. J., Jr.

Hon. Mention: Robert Herr, C. R. Keith, B. F. Murphey, Vincent Pagliarulo and W. W. Wetzel.

(1949) 53: 419-421, Oct. 1949

Albin, F. G.

Hon. Mention: C. R. Fordyce and J. A. Maurer

(1948) 52: 107-108, Jan. 1949

Chandler, J. S.; Lyman, D. F.; and Martin, L. R.

(1947) 50: 84, Jan. 1948

Rose, Albert

(1946) 47: 520, Dec. 1946

Talbot, Ralph H.

### *Progress Medal Award*

Regulations and Former Recipients: 54: 642, May 1950; 52: 475, 478, Apr. 1949; 50: 409, 414, Apr. 1948; 48: 385, Apr. 1947; 46: 334, Apr. 1946.

Zworykin, V. K., (1950), 55: 651-652, Dec. 1950

Fletcher, Harvey, (1949), 53: 417, Oct. 1949

Mole, Peter, (1948), 52: 104-105, Jan. 1949

Frayne, J. G., (1947), 50: 80-81, Jan. 1948

### *David Sarnoff Medal*

Announcement, 55: 653, Dec. 1950

### *Board Meetings*

55: 647-648, Dec. 1950  
216, Aug. 1950

### *Scrolls of Achievement*

47: 521-524, Dec. 1946

Western Electric Company, Inc.

Westinghouse Electric and Manufacturing Company

Metro-Goldwyn-Mayer Studios

RCA Victor Division, Radio Corporation of America

Twentieth Century-Fox Film Corporation

Lee de Forest

Bell Telephone Laboratories, Inc.

General Electric Company

47: 124-131, Aug. 1946

Presentation of Scroll to Thomas Armat by Donald E. Hyndman, President

Presentation of Scroll to Warner Brothers by Donald E. Hyndman, President

### *Special Awards*

Plaque Presented to Donald E. Hyndman, 52: 597-599, May 1949

Citation on the Work of Ralph H. Talbot, 48: 65-66, Jan. 1947

Citation on the Work of Charles J. Kunz, Herbert E. Goldberg and Charles E. Ives, by Glenn E. Matthews, 46: 1-3, Jan. 1946

### *Samuel L. Warner Memorial Award*

Regulations and Former Recipients: 54: 643, May 1950; 52: 477, Apr. 1949; 50: 410, Apr. 1948; 47: 525, Dec. 1946 (Announcement).

Fordyce, Charles R., (1950), 53: 650-651, Dec. 1950

Evans, R. M., (1949), 53: 418-419, Oct. 1949

Levinson, Nathan, (1948), 52: 105-106, Jan. 1949

Maurer, John A., (1947), 50: 82-83, Jan. 1948

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#### *Listing and Personnel*

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(Engineering Only)  
54: 515-522, Apr. 1950  
52: 481-493, Apr. 1947  
51: 312-322, Sept. 1948  
50: 505-514, May 1948  
49: 289-295, Sept. 1947

54: 644-645, May 1950

234, Feb. 1950

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- Screen Brightness Committee Report, W. W. Lozier, Chairman, 54: 756-757, June 1950
- 16-Mm and 8-Mm Motion Picture Committee Report, H. J. Hood, Chairman, 54: 754-755, June 1950
- Progress Committee Report, C. W. Handley, Chairman, 54: 525-544, May 1950
- Characteristics of Color Film Sound Tracks, Color Committee Report, L. T. Goldsmith, Chairman, 54: 377-378, Mar. 1950
- Report of SMPE Standards Committee, F. E. Carlson, Chairman, 54: 102-105, Jan. 1950
- Report of High-Speed Photography Committee, J. H. Waddell, Chairman, 53: 602-603, Nov. 1949
- Report of Lens-Calibration Subcommittee, Rudolf Kingslake, Chairman, 53: 368-378, Oct. 1949
- Statement on Theater Television, Theater Television Committee, D. E. Hyndman, Chairman, 53: 354-362, Oct. 1949
- Progress Report — Theater Television, Barton Kreuzer, 53: 128-136, Aug. 1949
- Report of SMPE Progress Committee, C. R. Sawyer, Chairman, 52: 580-596, May 1949
- Films in Television, Television Committee, D. R. White, Chairman, 52: 363-383, Apr. 1949
- Theater Television, Theater Television Committee, D. E. Hyndman, Chairman, 52: 243-272, Mar. 1949
- Report of the Studio Lighting Committee, M. A. Hankins, Chairman, 51: 656-666, Dec. 1948
- Report of Studio Lighting Committee (1947), C. W. Handley, Chairman, 51: 431-436, Oct. 1948
- Report of SMPE Standards Committee, F. T. Bowditch, Chairman, 51: 230-241, Sept. 1948
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387, Mar. 1950  
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52: 495, Apr. 1949  
51: 549, Nov. 1948  
50: 298, Mar. 1948  
179-180, 182, Feb. 1948  
48: 391, Apr. 1947  
271, Mar. 1947  
180, Feb. 1947  
47: 525, Dec. 1946  
441, Nov. 1946  
46: 428-429, May 1946  
337, Apr. 1946  
164, Feb. 1946  
85, Jan. 1946

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- 55: 220, Aug. 1950  
54: 387, Mar. 1950  
240, Feb. 1950  
115-116, Jan. 1950  
53: 707, Dec. 1949  
310-312, Sept. 1949  
211, Aug. 1949  
52: 699, June 1949  
601, May 1949  
495-496, Apr. 1949  
354, Mar. 1949  
110, Jan. 1949  
51: 549, Nov. 1948  
327-329, Sept. 1948

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50: 617, June 1948  
517-518, May 1948  
298, Mar. 1948  
180, Feb. 1948  
91-92, Jan. 1948  
48: 482, May 1947  
392, Apr. 1947  
271-272, Mar. 1947  
180, Feb. 1947  
83, Jan. 1947  
47: 525-526, Dec. 1946  
441, Nov. 1946  
92, July 1946  
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387, Mar. 1950  
240, Feb. 1950  
52: 110, Jan. 1949  
50: 517-518, May 1948  
180, Feb. 1948  
49: 558, Dec. 1947  
48: 272, Mar. 1947  
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PH22.84	Proposed, Dimensions for Projection Lamps Medium Prefocus Ring Double-Contact Base-Up Type for 16-Mm and 8-Mm Motion Picture Projectors	56: 244, Feb. 1951
PH22.85	Proposed, Dimensions for Projection Lamps Medium Prefocus Base-Down Type for 16-Mm and 8-Mm Motion Picture Projectors	56: 246, Feb. 1951
Z38.3.1	Definition of Safety Film	50: 288, Mar. 1948





